

The Art of Experiment

Report of Contributions

Contribution ID: 2

Type: **not specified**

Intro - Organizer

Contribution ID: 3

Type: **not specified**

Introduction

Friday, 2 May 2014 09:00 (10 minutes)

Presenter: HABER, Carl

Session Classification: Introduction & Welcome

Contribution ID: 4

Type: **not specified**

Welcome

Friday, 2 May 2014 09:10 (5 minutes)

Presenters: ROE, Natalie (LBNL); ALIVISATOS, Paul

Session Classification: Introduction & Welcome

Contribution ID: 5

Type: **not specified**

Challenges for Rare Kaon Experiments

Friday, 2 May 2014 09:15 (30 minutes)

Presenter: LITTENBERG, Laurence (Brookhaven National Laboratory)

Session Classification: Flavor Physics

Contribution ID: 6

Type: **not specified**

How technological innovations could influence the physics potential of b physics at hadron colliders

Friday, 2 May 2014 09:45 (30 minutes)

Presenter: STONE, Sheldon (Syracuse University)

Session Classification: Flavor Physics

Contribution ID: 7

Type: **not specified**

Study of relativistic nuclear collisions at the Terascale: status of and future plans for the ALICE TPC

Friday, 2 May 2014 10:15 (30 minutes)

Presenter: BRAUN-MUNZINGER, Peter (GSI, Germany)

Session Classification: Time Projection Chambers and Gaseous Detectors I

Contribution ID: 8

Type: **not specified**

SiD - A Silicon Detector for the ILC

Friday, 2 May 2014 12:15 (30 minutes)

Presenter: BREIDENBACH, Marty (SLAC)

Session Classification: Semiconductor Detectors & Electronics I

Contribution ID: 9

Type: **not specified**

Liquid Argon TPCs for Neutrino Physics

Friday, 2 May 2014 11:15 (30 minutes)

Presenter: ZELLER, Sam (Fermilab)

Session Classification: Time Projection Chambers and Gaseous Detectors II

Contribution ID: 10

Type: **not specified**

Gaseous Detectors; a continuing success story

Friday, 2 May 2014 11:45 (30 minutes)

Presenter: SAULI, Fabio (CERN)

Session Classification: Time Projection Chambers and Gaseous Detectors II

Contribution ID: 11

Type: **not specified**

Pixels at the LHC

Friday, 2 May 2014 14:00 (30 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL)

Session Classification: Semiconductor Detectors & Electronics II

Contribution ID: 12

Type: **not specified**

Fully depleted charge-coupled devices for scientific applications: A spin off from silicon detectors for HEP

Friday, 2 May 2014 14:30 (30 minutes)

Presenter: HOLLAND, Steve (LBNL)

Session Classification: Semiconductor Detectors & Electronics II

Contribution ID: 13

Type: **not specified**

The ARIANNA Ultra-High-Energy Neutrino Experiment

Friday, 2 May 2014 15:00 (30 minutes)

Presenter: KLEINFELDER, Stuart (UC Irvine)

Session Classification: Semiconductor Detectors & Electronics II

Contribution ID: 14

Type: **not specified**

Photon Counting Medical X-ray Imaging from Mammography to CT

Friday, 2 May 2014 16:00 (30 minutes)

Presenter: DANIELSSEN, Mats (KTH/Royal Institute of Technology, Sweden)

Session Classification: Biology and Applications

Contribution ID: 15

Type: **not specified**

Developments in hard x-ray optics - towards nm resolution

Friday, 2 May 2014 16:30 (30 minutes)

Presenter: CEDERSTROM, Bjorn (Royal Institute of Technology, Sweden)

Session Classification: Biology and Applications

Contribution ID: **16**

Type: **not specified**

Remarks

Presenter: SIEGRIST, Jim (DOE Office of Science)

Contribution ID: 17

Type: **not specified**

Banquet Talk

Presenter: ODDONE, Pier

Contribution ID: 18

Type: **not specified**

Looking back 40 Years - Recollections of the History and Development of the PEP-4 TPC

Saturday, 3 May 2014 09:30 (30 minutes)

Presenter: MARX, Jay (Caltech)

Session Classification: TPC (PEP4) and Other Reminiscences

Contribution ID: 19

Type: **not specified**

Panel Discussion

Saturday, 3 May 2014 10:00 (30 minutes)

Presenter: H. AIHARA (UNIV. OF TOKYO) , A. BROSS (FNAL), L. GALTIERI (LBNL), N. HADLEY (UNIV. OF MARYLAND), P. ROBRISH (AGILENT LABORATORIES - RETIRED), M. SHAPIRO (LBNL/UC BERKELEY)

Session Classification: TPC (PEP4) and Other Reminiscences

Contribution ID: 20

Type: **not specified**

From the Digital Optical Module to Cosmic Neutrinos

Saturday, 3 May 2014 11:15 (30 minutes)

Presenter: HALZEN, Francis (Univ. of Wisconsin-Madison)

Session Classification: Neutrino Astronomy

Contribution ID: 21

Type: **not specified**

From sea to the shore; seeing neutrinos in the deep

Presenter: RAPIDIS, Petros (INP/Demokritos, Greece)

Contribution ID: 22

Type: **not specified**

The NEXT Experiment

Saturday, 3 May 2014 13:45 (30 minutes)

Presenter: GOMEZ-CADENAS, Juan (IFIC/Univ. of Valencia and CSIC, Spain)

Session Classification: Double Beta Decay

Contribution ID: 23

Type: **not specified**

The Art of Measuring (Almost) Nothing: The EXO Experiments

Saturday, 3 May 2014 13:15 (30 minutes)

Presenter: GRATTA, Giorgio (Stanford)

Session Classification: Double Beta Decay

Contribution ID: 24

Type: **not specified**

Kamland/ZEN

Presenter: ENOMOTO, Sanshiro

Contribution ID: 25

Type: **not specified**

Liquid Xe

Presenter: SHUTT, Tom

Contribution ID: 26

Type: **not specified**

Searching for Dark Matter WIMPs With Liquid Argon and Sodium Iodide Detectors

Saturday, 3 May 2014 15:30 (30 minutes)

Presenter: CALAPRICE, Frank (Princeton)

Session Classification: Dark Matter II

Contribution ID: 27

Type: **not specified**

Directions in Dark Matter Directionality Detection

Saturday, 3 May 2014 16:00 (30 minutes)

Presenter: GOLDSCHMIDT, Azriel (LBNL)

Session Classification: Dark Matter II

Contribution ID: 28

Type: **not specified**

Future Perspective

Saturday, 3 May 2014 16:30 (30 minutes)

Presenter: RADEKA, Veljko (Brookhaven National Laboratory)

Session Classification: Closing

Contribution ID: 29

Type: **not specified**

David Nygren, valued collaborator and friend

Presenter: STEINBERGER, Jack

Contribution ID: **31**

Type: **not specified**

Open Bar

Contribution ID: 32

Type: **not specified**

Banquet Talk: Pier Oddone

Contribution ID: 33

Type: **not specified**

Banquet

Contribution ID: 35

Type: **not specified**

Kamland/ZEN

Presenter: ENOMOTO, Sanshiro

Contribution ID: 36

Type: **not specified**

KamLAND, KamLAND-Zen and beyond

Saturday, 3 May 2014 14:15 (30 minutes)

Presenter: ENOMOTO, Sanshiro (Univ. of Washington)

Session Classification: Double Beta Decay

Contribution ID: 37

Type: **not specified**

Xenon Dark Matter Detector

Saturday, 3 May 2014 14:45 (30 minutes)

Presenter: SHUTT, Tom (Case Western Reserve University)

Session Classification: Dark Matter I

Contribution ID: **38**

Type: **not specified**

David Nygren, valued collaborator and friend

Saturday, 3 May 2014 09:00 (30 minutes)

Presenter: STEINBERGER, Jack (CERN)

Session Classification: Opening Session

Contribution ID: 39

Type: **not specified**

Banquet dinner talk

Friday, 2 May 2014 20:00 (30 minutes)

Presenter: ODDONE, Pier (Former Director, Fermilab)

Session Classification: Working Banquet Dinner

Contribution ID: 40

Type: **not specified**

Working Dinner

Friday, 2 May 2014 19:00 (1 hour)

Session Classification: Working Banquet Dinner

Contribution ID: 41

Type: **not specified**

No Host Bar

Friday, 2 May 2014 18:30 (30 minutes)

Session Classification: Working Banquet Dinner

Contribution ID: 42

Type: **not specified**

Particle Physics Science and Technology Connections

Friday, 2 May 2014 17:00 (30 minutes)

Presenter: SIEGRIST, Jim (DOE Office of Science)

Contribution ID: 43

Type: **not specified**

NESTOR

Saturday, 3 May 2014 10:30 (15 minutes)

Presenter: RESVANIS, Leonidas (University of Athens)

Session Classification: TPC (PEP4) and Other Reminiscences